**FIG. 1**

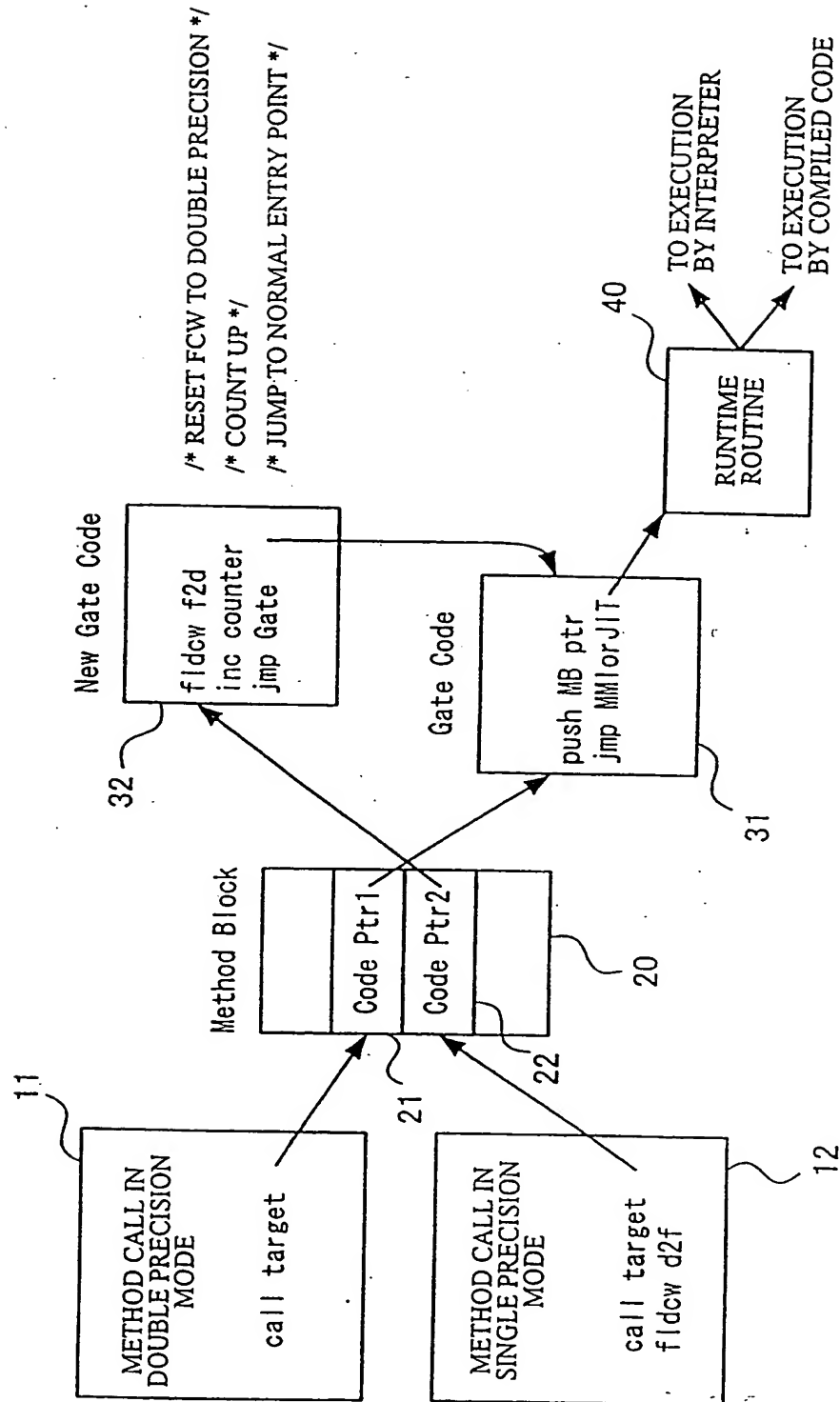


FIG. 2

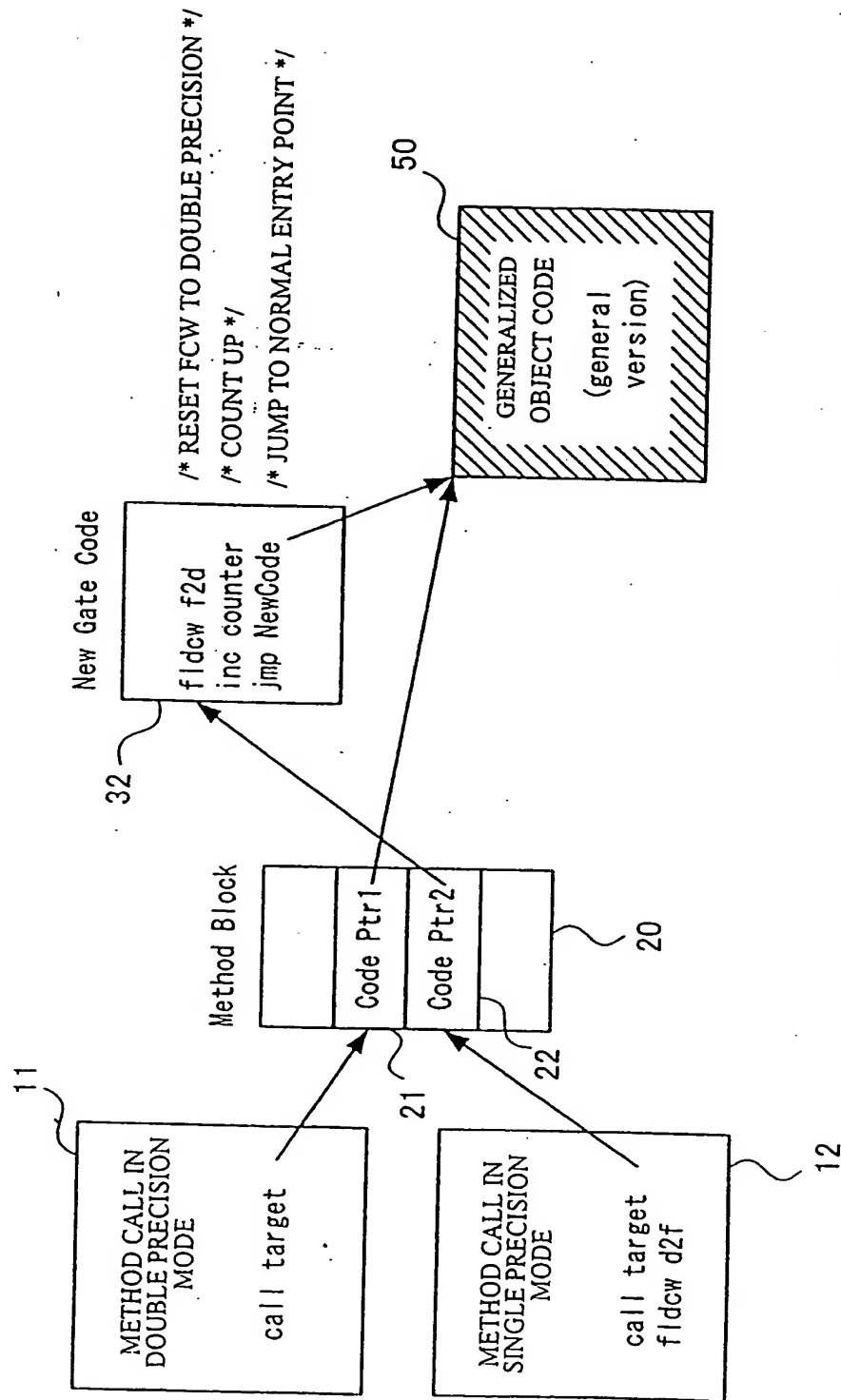


FIG. 3

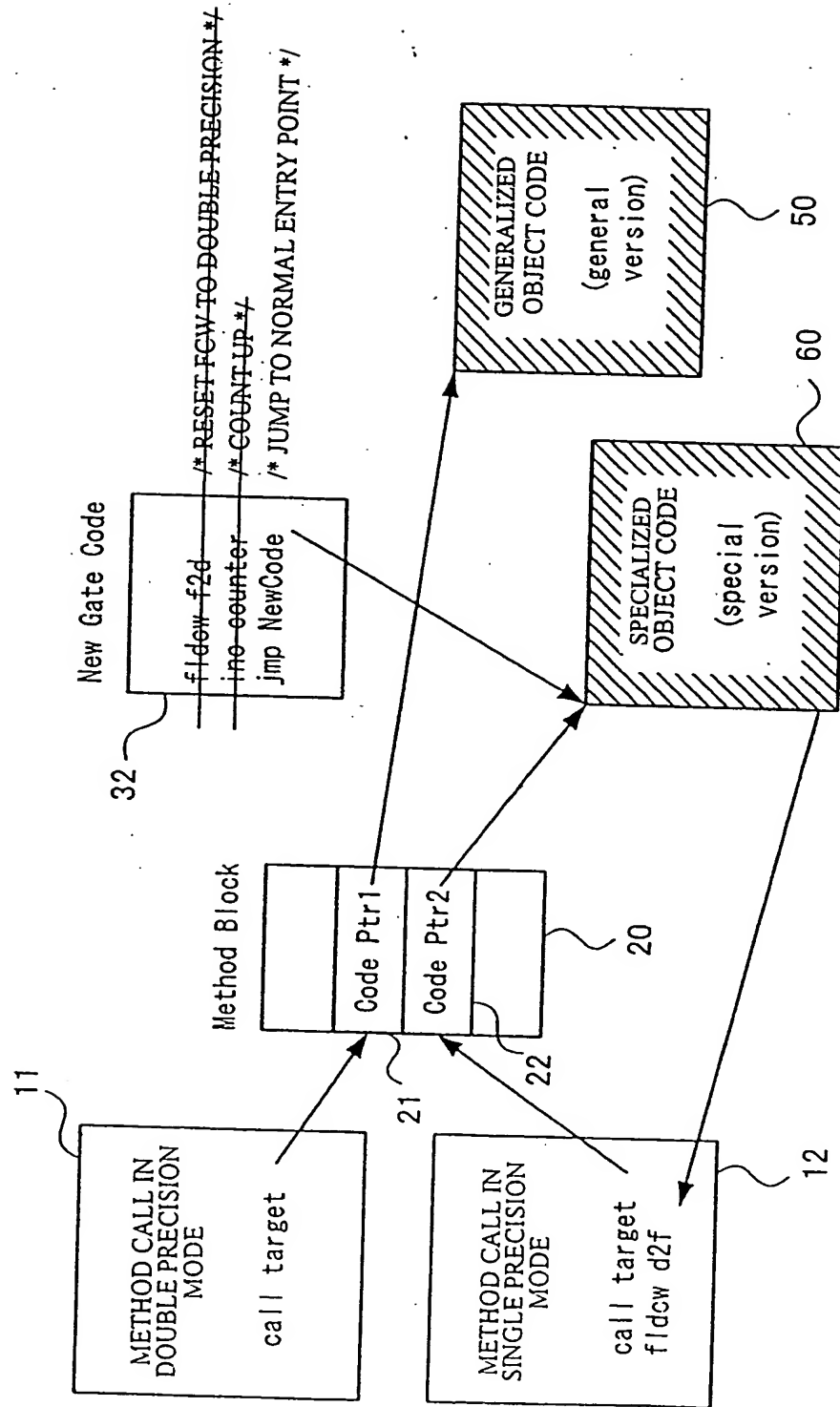


FIG. 4

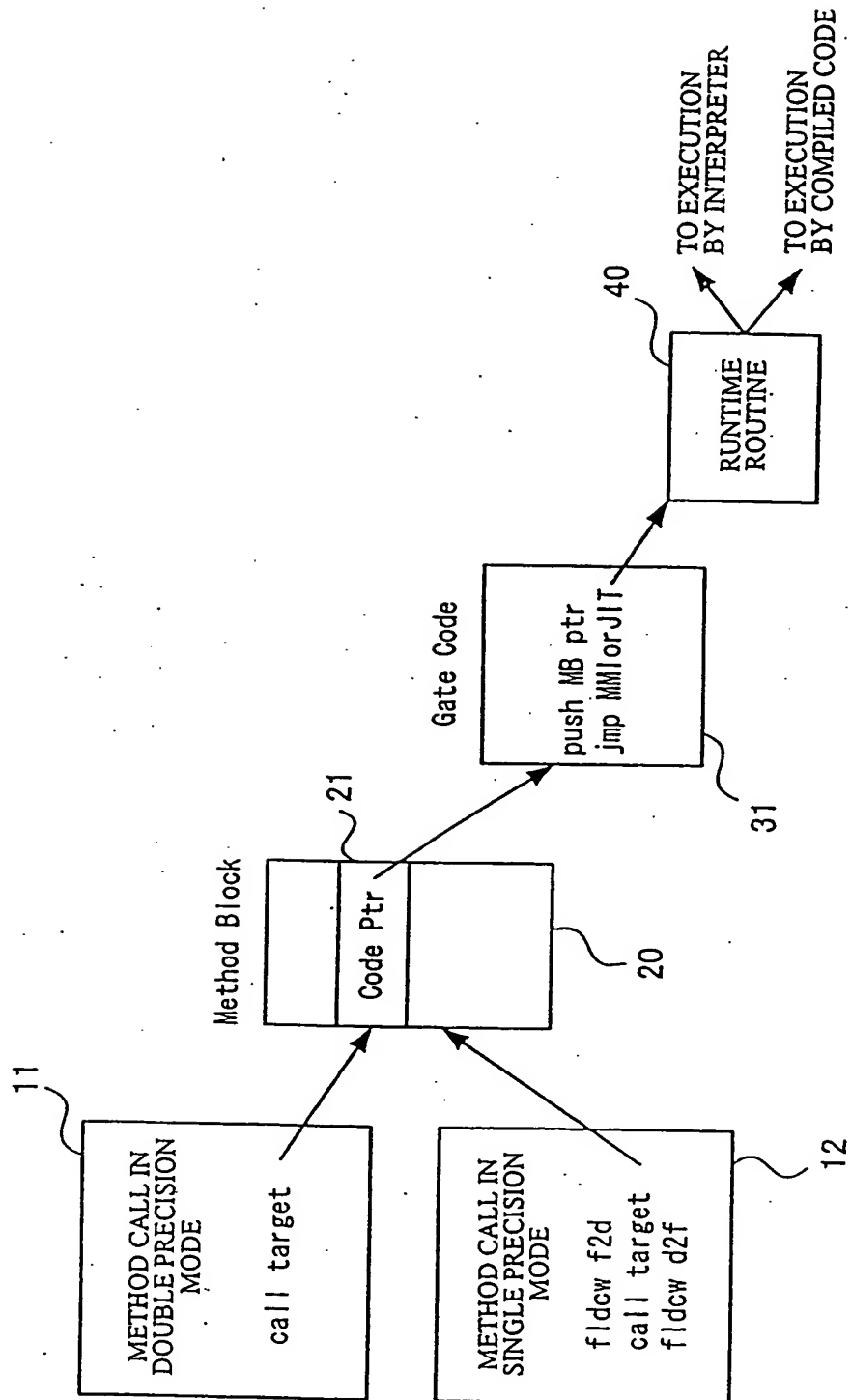


FIG. 5 (PRIOR ART)

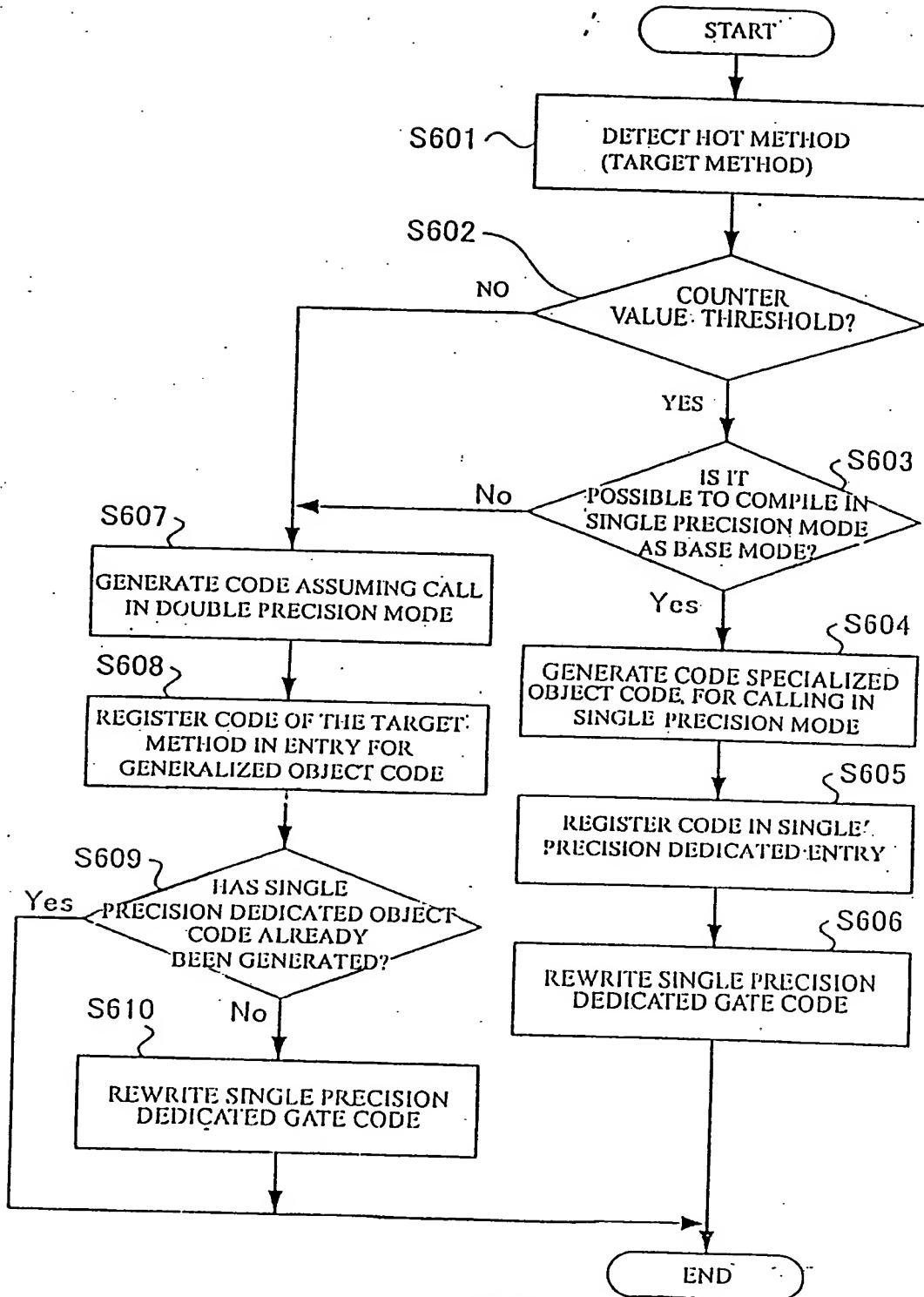


FIG. 6

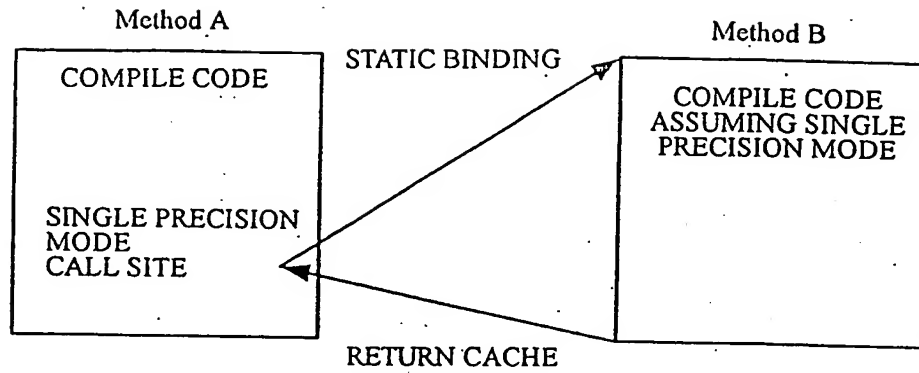


FIG. 7

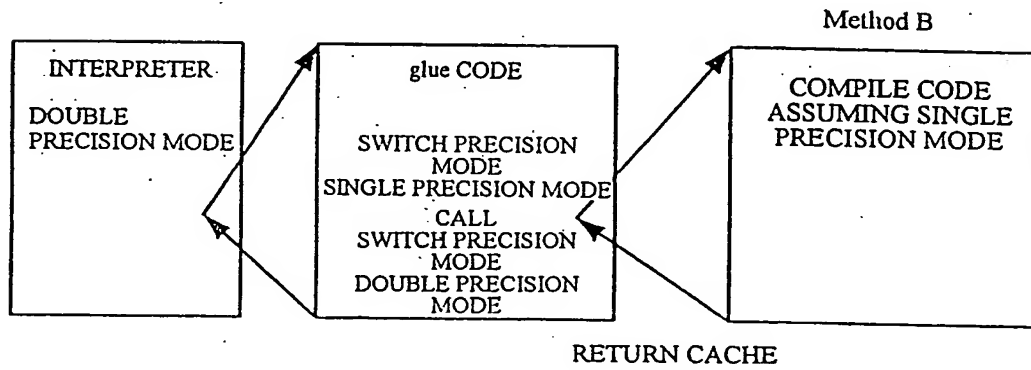


FIG. 8

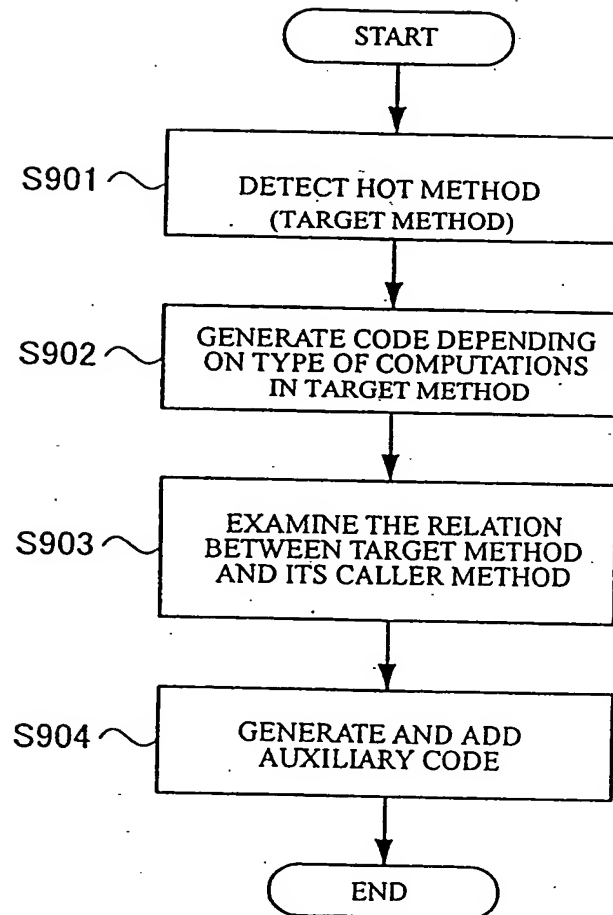
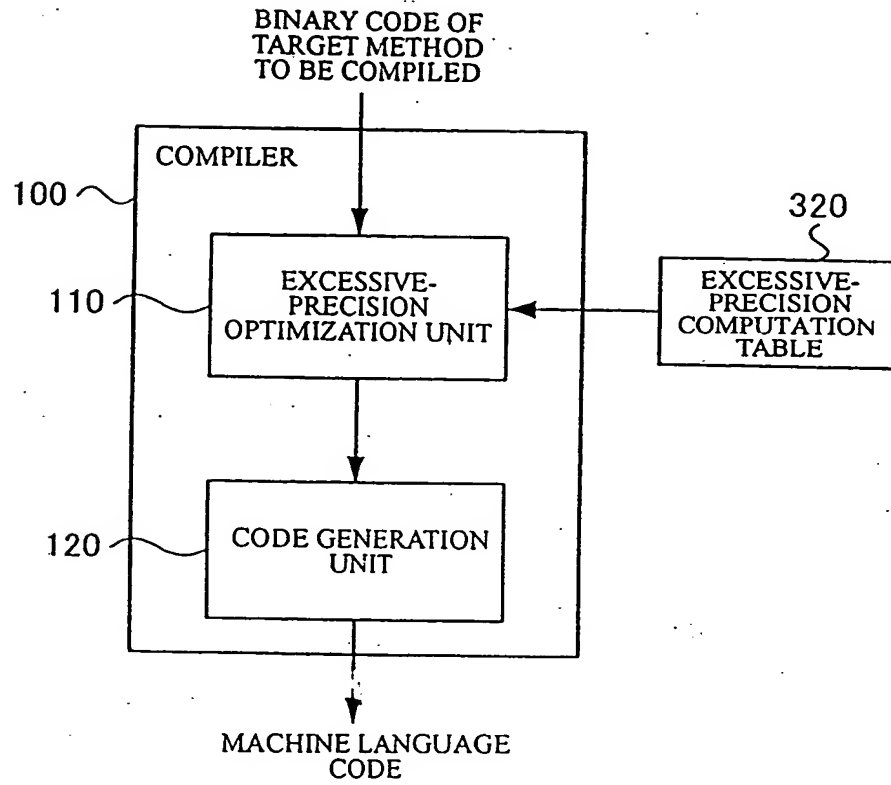
**FIG. 9**

FIG. 10

KIND OF OPERATION	RESTRICTION ON INPUT 1	RESTRICTION ON INPUT 2	...
DMUL	MANTISSA IS SINGLE PRECISION	MANTISSA IS 1	
DSQRT+D2F	MANTISSA IS SINGLE PRECISION	N.A.	
• • •			

FIG. 11

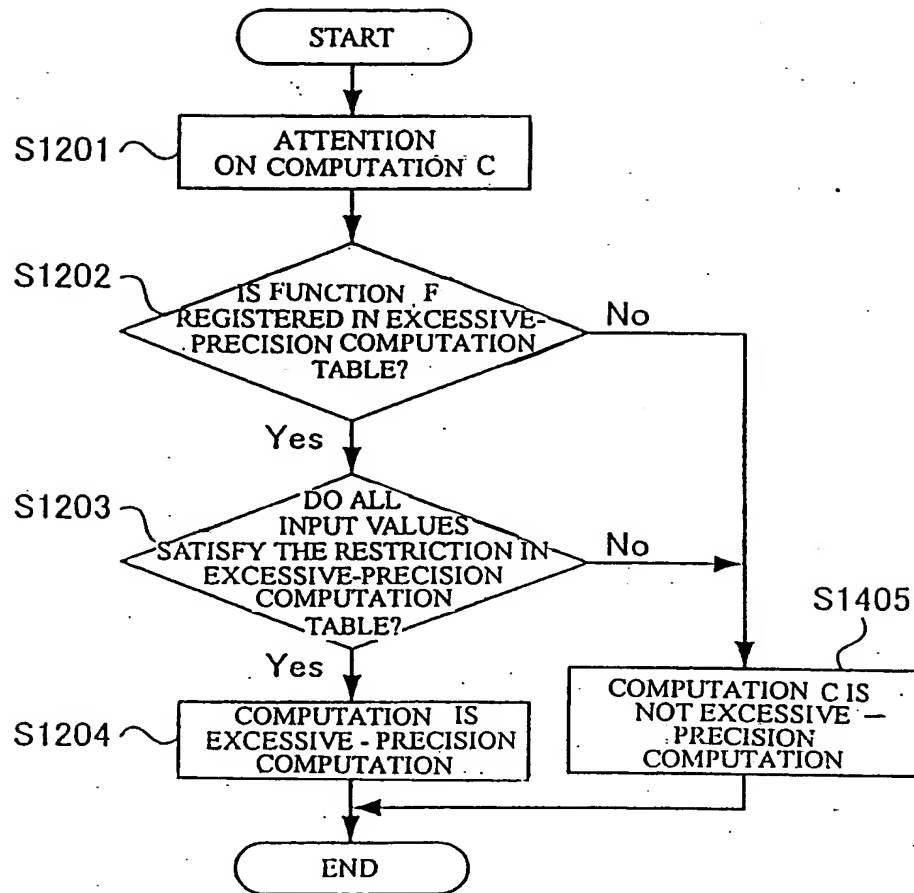
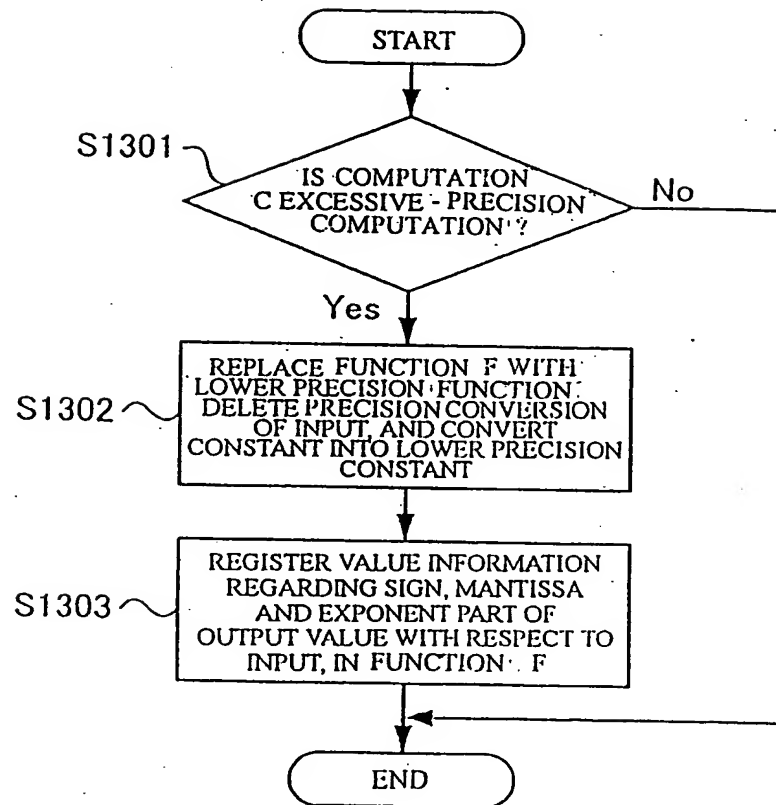


FIG. 12

**FIG. 13**

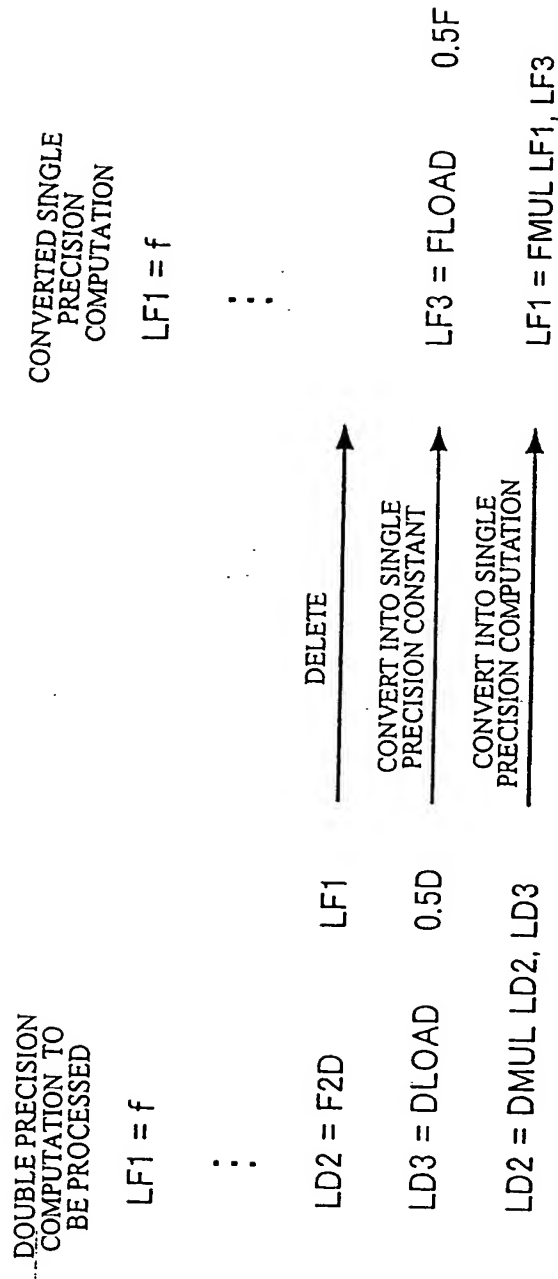
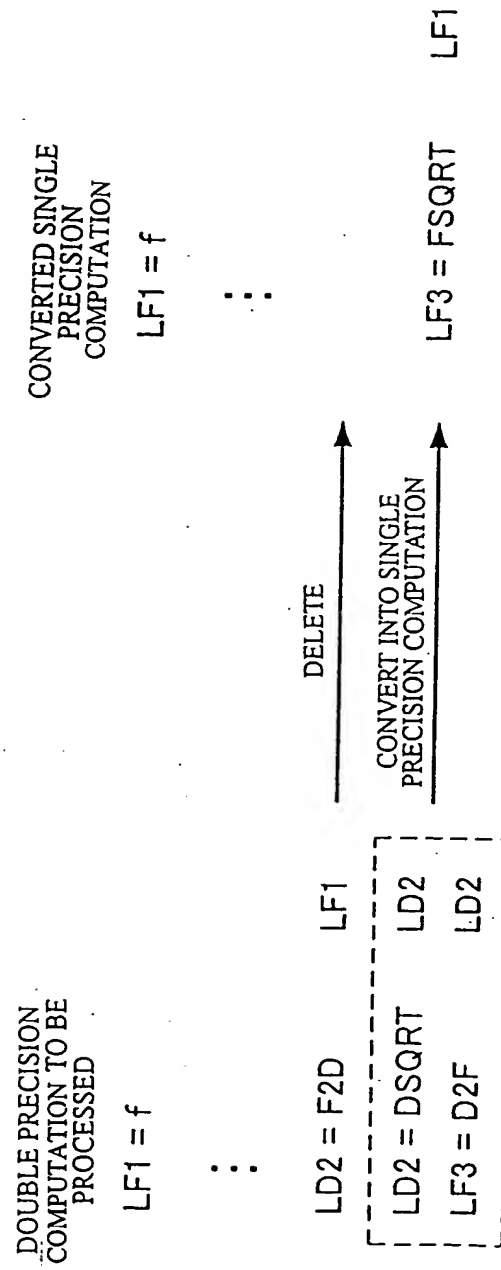


FIG. 14

**FIG. 15**

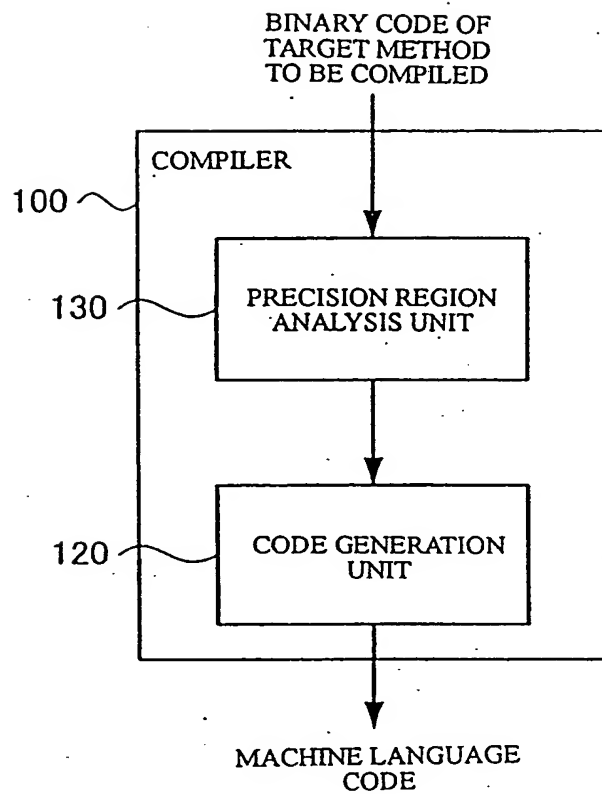
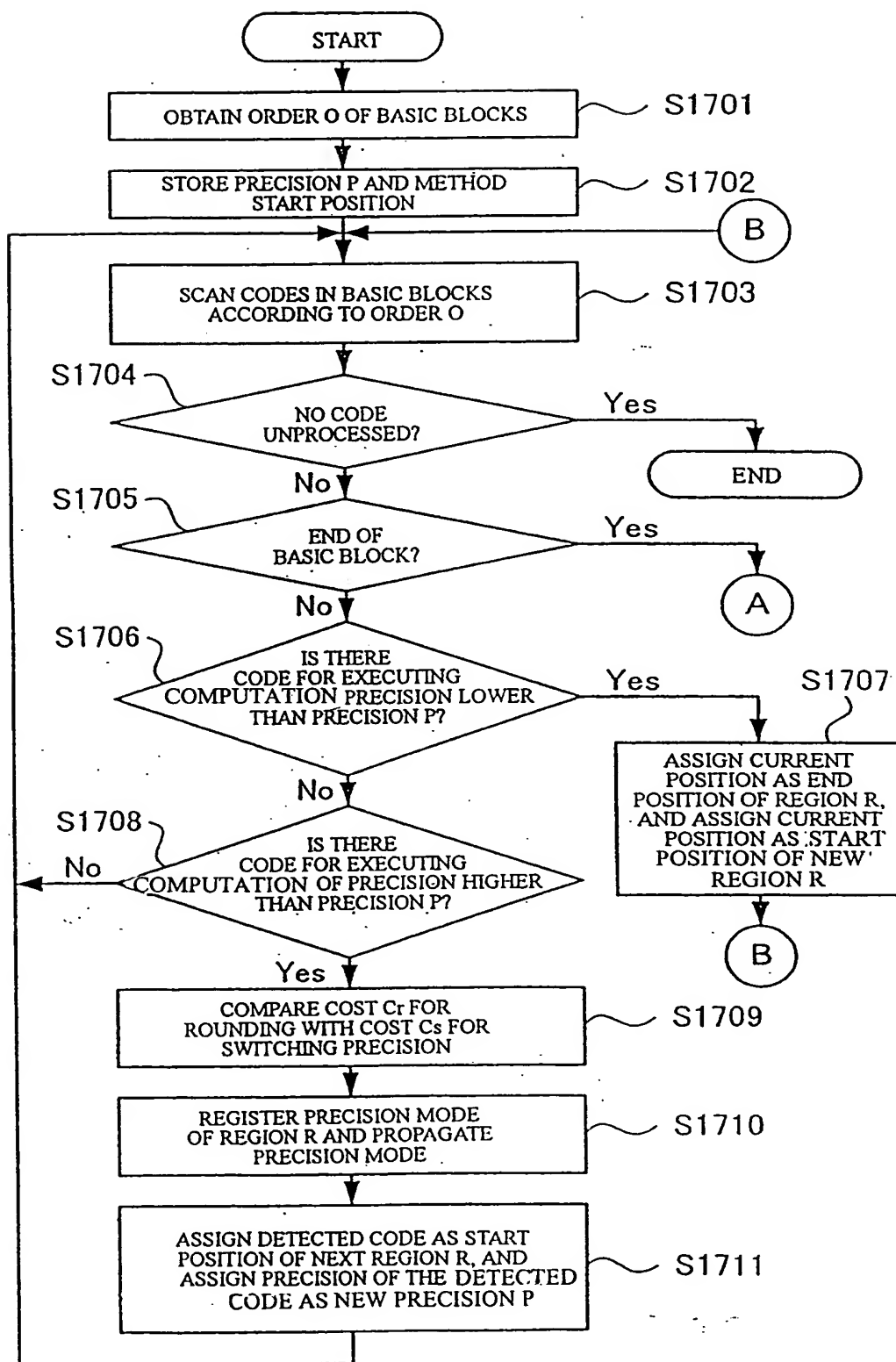
**FIG. 16**

FIG. 17



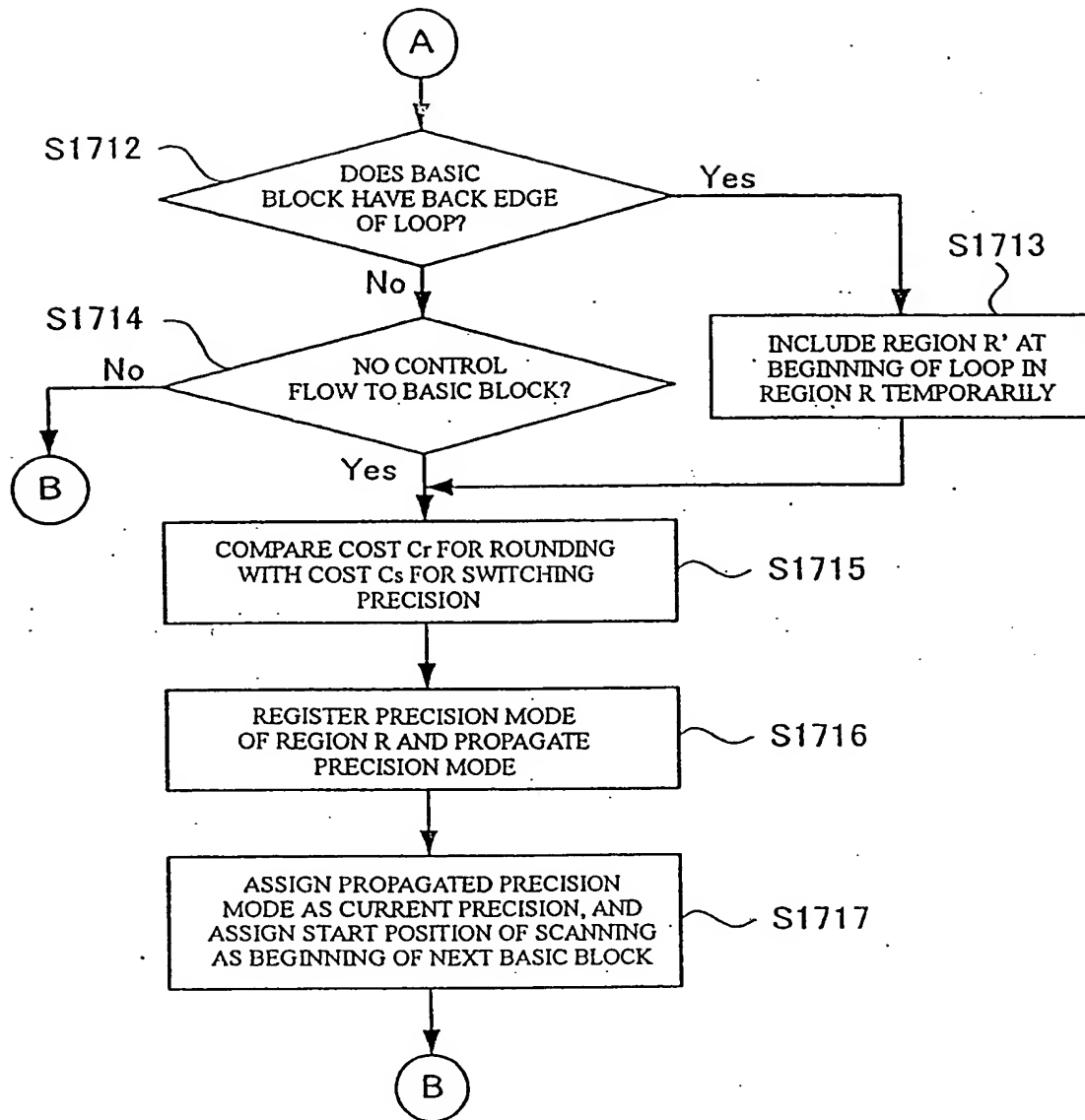


FIG. 18

FIG. 19**(A)**

```
if (cond) {  
    statement11  
    statement12  
} else {  
    statement21  
    statement22  
}  
statement3
```

(B)

```
Basic Block 1  
    test cond  
    if true goto Basic Block 2  
    goto Basic Block 3  
  
Basic Block 2  
    statement11  
    statement12  
    goto Basic Block 4  
  
Basic Block 3  
    statement21  
    statement22  
    goto Basic Block 4  
  
Basic Block 4  
    statement3
```

2001

5

R NUMBER	START POSITION	END POSITION	BASIC BLOCKS INCLUDED IN THE REGION	ATTRIBUTE
1	THE THIRD INSTRUCTION IN BASIC BLOCK 1	THE SECOND INSTRUCTION IN BASIC BLOCK 3	1, 2, 3	SINGLE PRECISION
2	• • •	• • •	• • •	• • •
• • •				

FIG. 20